

FIG. 1B

```

328
FRI-1      YSYTDSWHTS
          :|: |:
SW:TNR2_HUMAN  STYTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPL
          90      100      110      120      130      140

```

```
. . . . .  
FRI-1      69 YLHYDPETGRQLLCDKCAPGTYLKQHC.TVRRKTLCV.PCPDY.SYTDWS  
           | |. ... |.|.|.:|.|.:|.|.:|.|.:|.|. .  
TNFR profile    6 YHYDQNQRMCCECHMCQPGHFLVKHCKQPKRDTVCHKPCEPGVTYTDDW  
  
FRI-1      116 H  
           |  
TNFR profile   56 H
```

FIG. 1C

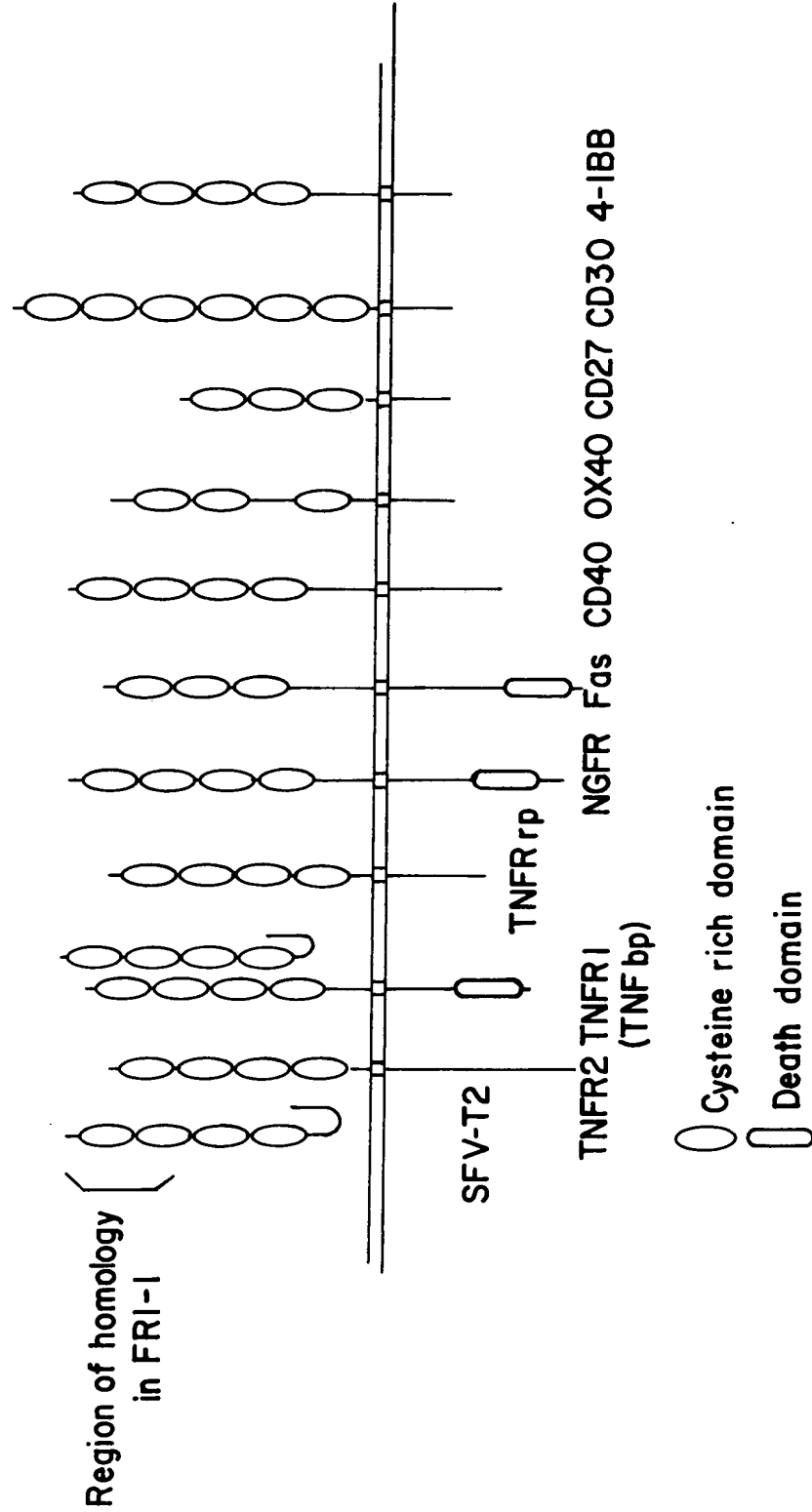


FIG.2A

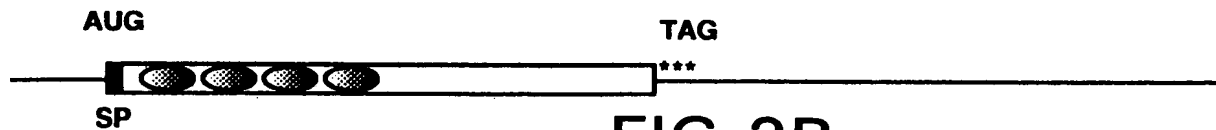


FIG.2B

10 30 50
ATCAAAGGCAGGGCATACTTCCTGTTGCCAGACCTTATATAAAACGTCATGTTCCGCCTG
70 90 110
GGCAGCAGAGAAGCACCTAGCACTGGCCCAGCGGCTGCCGCCTGAGGTTTCCAGAGGACC
130 150 170
ACAATGAACAAGTGGCTGTGCTGTGCACTCCTGGTGTCTTGGACATCATTGAATGGACA
M N K W L C C A L L V F L D I I E W T
190 210 230
ACCCAGGAAACCTTTCCTCCAAAATACTTGCAATTATGACCCAGAAACCGGACGTCAGCTC
T O E T F P P K Y L H Y D P E T G R Q L
250 270 290
TTGTGTGACAAATGTGCTCCTGGCACCTACCTAAAACAGCACTGCACAGTCAGGAGGAAG
L C D K C A P G T Y L K Q H C T V R R K
310 330 350
ACACTGTGTGTCCCTTGCCCTGACTACTCTTATACAGACAGCTGGCACACGAGTGATGAA
T L C V P C P D Y S Y T D S W H T S D E
370 390 410
TGCGTGTACTGCAGCCCCGTGTGCAAGGAAGTGCAGACCGTGAAACAGGAGTGCAACCGC
C V Y C S P V C K E L Q T V K Q E C N R
430 450 470
ACCCACAACCGAGTGTGCGAATGTGAGGAAGGGCGCTACCTGGAGCTCGAATTCTGCTTG
T H N R V C E C E E G R Y L E L E F C L
490 510 530
AAGCACCGGAGCTGTCCCCCAGGCTTGGGTGTGCTGCAGGCTGGGACCCCAGAGCGAAAC
K H R S C P P G L G V L Q A G T P E R N
550 570 590
ACGGTTTGCAAAAGATGTCCGGATGGGTCTTCTCAGGTGAGACGTCATCGAAAGCACCC
T V C K R C P D G F F S G E T S S K A P
610 630 650
TGTAGGAAACACACCAACTGCAGCTCACTTGGCCTCCTGCTAATTCAGAAAGGAAATGCA
C R K H T N C S S L G L L L I Q K G N A
670 690 710
ACACATGACAATGTATGTTCCGGAACAGAGAAGCAACTCAAAATTGTGGAATAGATGTC
T H D N V C S G N R E A T Q N C G I D V
730 750 770
ACCCTGTGCGAAGAGGCATTCTTCAGGTTTGTGCTGTGCCTACCAAGATTATACCGAATTGG
T L C E E A F F R F A V P T K I I P N W
790 810 830
CTGAGTGTTCTGGTGGACAGTTTGCCTGGGACCAAAGTGAATGCAGAGAGTGTAGAGAGG
L S V L V D S L P G T K V N A E S V E R
850 870 890
ATAAAACGGAGACACAGCTCGCAAGAGCAAACCTTCCAGCTACTTAAGCTGTGGAAGCAT
I K R R H S S Q E Q T F Q L L K L W K H
910 930 950
CAAAACAGAGACCAGGAAATGGTGAAGAAGATCATCCAAGACATTGACCTCTGTGAAAGC
Q N R D Q E M V K K I I Q D I D L C E S
970 990 1010
AGTGTGCAACGGCATATCGGCCACGCGAACCTCACCACAGAGCAGCTCCGCATCTTGATG
S V Q R H I G H A N L T T E Q L R I L M

FIG.2C

1030 1050 1070
GAGAGCTTGCCTGGGAAGAAGATCAGCCCAGACGAGATTGAGAGAACGAGAAAGACCTGC
E S L P G K K I S P D E I E R T R K T C
1090 1110 1130
AAACCCAGCGAGCAGCTCCTGAAGCTACTGAGCTTGTGGAGGATCAAAAATGGAGACCAA
K P S E Q L L K L L S L W R I K N G D Q
1150 1170 1190
GACACCTTGAAGGGCCTGATGTACGCACTCAAGCACTTGAAAGCATACCACTTTCCCAAA
D T L K G L M Y A L K H L K A Y H F P K
1210 1230 1250
ACCGTCACCCACAGTCTGAGGAAGACCATCAGGTTCTTGCACAGCTTCACCATGTACCGA
T V T H S L R K T I R F L H S F T M Y R
1270 1290 1310
TTGTATCAGAACTCTTTCTAGAAATGATAGGGAATCAGGTTCAATCAGTGAAGATAAGC
L Y Q K L F L E M I G N Q V Q S V K I S
1330 1350 1370
TGCTTATAGTTAGGAATGGTCACTGGGCTGTTTCTTCAGGATGGGCCAACACTGATGGAG
C L
1390 1410 1430
CAGATGGCTGCTTCTCCGGCTCTTGAAATGGCAGTTGATTCCCTTTCTCATCAGTTGGTGG
1450 1470 1490
GAATGAAGATCCTCCAGCCCAACACACACACTGGGGAGTCTGAGTCAGGAGAGTGAGGCA
1510 1530 1550
GGCTATTTGATAATTGTGCAAAGCTGCCAGGTGTACACCTAGAAAGTCAAGCACCCCTGAG
1570 1590 1610
AAAGAGGATATTTTTATAACCTCAAACATAGGCCCTTTTCCTTCCTCTCCTTATGGATGAG
1630 1650 1670
TACTCAGAAGGCTTCTACTATCTTCTGTGTCATCCCTAGATGAAGGCCTCTTTTATTTAT
1690 1710 1730
TTTTTTTATTCTTTTTTTTCGGAGCTGGGGACCGAACCCAGGGCCTTGCGCTTGCGAGGCAA
1750 1770 1790
GTGCTCTACCACTGAGCTAAATCTCCAACCCCTGAAGGCCTCTTTCTTTCTGCCTCTGAT
1810 1830 1850
AGTCTATGACATTCTTTTTTCTACAATTCGTATCAGGTGCACGAGCCTTATCCCATTTGT
1870 1890 1910
AGGTTTCTAGGCAAGTTGACCGTTAGCTATTTTTCCCTCTGAAGATTTGATTTCGAGTTGC
1930 1950 1970
AGACTTGGCTAGACAAGCAGGGGTAGGTTATGGTAGTTTATTTAACAGACTGCCACCAGG
1990 2010 2030
AGTCCAGTGTTTCTTGTTCTCTGTAGTTGTACCTAAGCTGACTCCAAGTACATTTAGTA
2050 2070 2090
TGAAAAATAATCAACAAATTTTATTCCTTCTATCAACATTGGCTAGCTTTGTTTCAGGGC
2110 2130 2150
ACTAAAAGAACTACTATATGGAGAAAGAATTGATATTGCCCCCAACGTTCAACAACCCA
2170 2190 2210
ATAGTTTATCCAGCTGTCATGCCTGGTTCAGTGTCTACTGACTATGCGCCCTCTTATTAC
2230 2250 2270
TGCATGCAGTAATTCAACTGGAAATAGTAATAATAATAATAGAAATAAAATCTAGACTCC
2290 2310 2330
ATTGGATCTCTCTGAATATGGGAATATCTAACTTAAGAAGCTTTGAGATTTTCAGTTGTGT
2350 2370 2390
TAAAGGCTTTTATTAAAAAGCTGATGCTCTTCTGTAAAAGTTACTAATATATCTGTAAGA
2410 2430
CTATTACAGTATTGCTATTTATATCCATCCAG

FIG. 2E

fas.frg	-	C	R	L	C	D	E	G	H	G	L	E	V	E	I	N	C	T	R	E	T	Q	N	T	K	C	R	C	P	N	F	F	C	N	S	T	V	C	E	H	C	D	P	C	T	K	K	S	L	E	H	G	152
tnfr1.frg	N	C	S	L	C	L	N	G	-	-	-	-	T	V	H	L	S	C	Q	E	K	Q	N	T	V	C	T	C	T	C	G	F	F	L	R	E	N	E	C	V	S	C	S	N	C	C	K	S	L	E	H	G	151
sfv-t2.frg	-	-	-	-	P	C	T	G	H	L	Q	S	E	S	Q	P	C	A	C	D	R	T	H	D	R	R	I	C	T	C	G	N	Y	C	L	L	K	G	Q	N	I	C	A	P	Q	T	K	C	129				
tnfr2.frg	-	-	-	-	R	C	S	S	D	Q	V	E	T	Q	Q	A	C	T	R	E	Q	N	Q	N	R	I	C	T	C	G	N	Y	C	L	L	K	G	Q	N	I	C	A	P	Q	T	K	C	143					
cd40.frg	-	-	-	-	-	-	-	N	Q	G	L	R	V	K	K	E	G	T	A	E	S	D	N	Q	N	R	I	C	T	C	G	N	Y	C	L	L	K	G	Q	N	I	C	A	P	Q	T	K	C	125				
osteo.frg	-	-	-	-	-	-	-	V	C	K	E	L	Q	T	V	K	Q	E	C	N	R	H	N	T	R	I	C	T	C	G	N	Y	C	L	L	K	G	Q	N	I	C	A	P	Q	T	K	C	124					
ngfr.frg	-	-	-	-	-	-	-	V	G	L	Q	S	M	-	-	S	A	P	C	V	E	A	D	D	R	I	C	T	C	G	N	Y	C	L	L	K	G	Q	N	I	C	A	P	Q	T	K	C	128					
ox40.frg	-	-	-	-	-	-	-	R	S	G	S	E	L	-	-	K	Q	N	C	T	P	T	E	D	T	R	I	C	T	C	G	N	Y	C	L	L	K	G	Q	N	I	C	A	P	Q	T	K	C	116				
41bb.frg	-	-	-	-	-	-	-	V	C	A	G	Y	E	R	F	K	K	F	C	S	S	T	H	N	A	E	C	T	C	G	N	Y	C	L	L	K	G	Q	N	I	C	A	P	Q	T	K	C	105					

[illegible][illegible]

FIG. 3A

Basic
Acidic
 β Form
 β Break

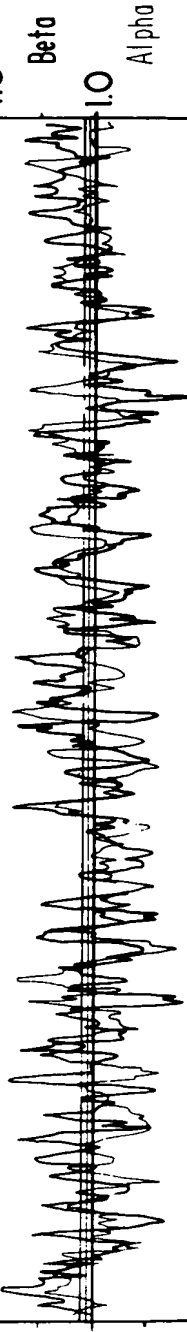


HPhobic
HPhilic



1.5

Chou &
Fasman



Beta
Alpha

α Form
 α Break
NH2 End

0.5



15 Beta
0 Alpha



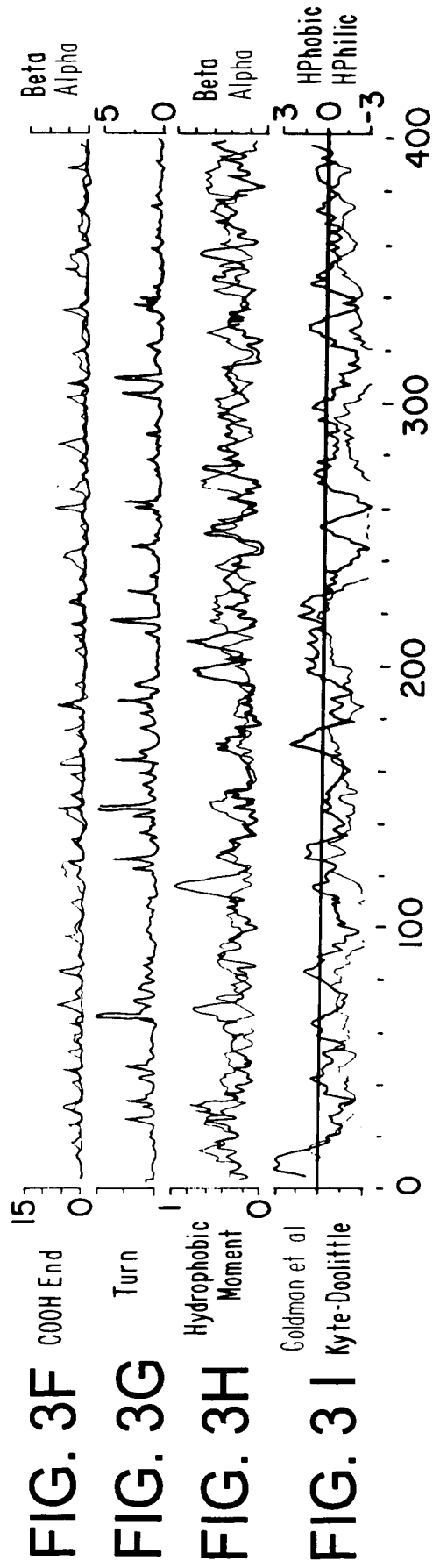


FIG.4A

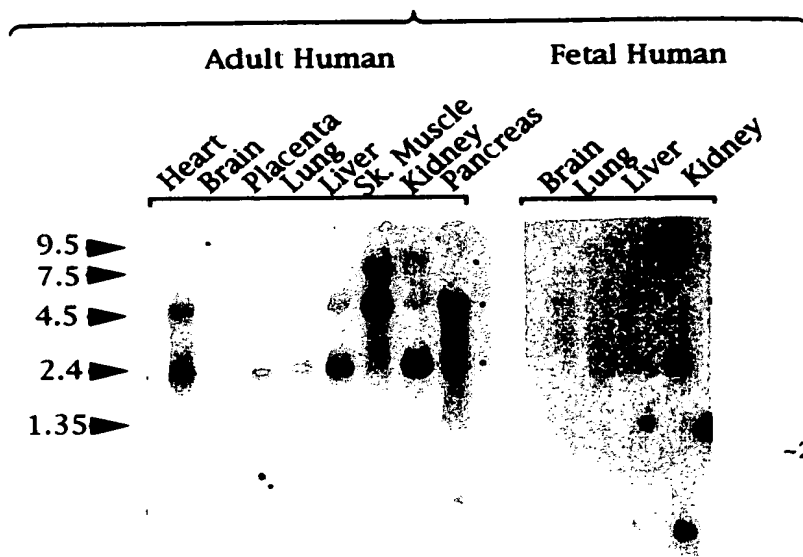


FIG.4B

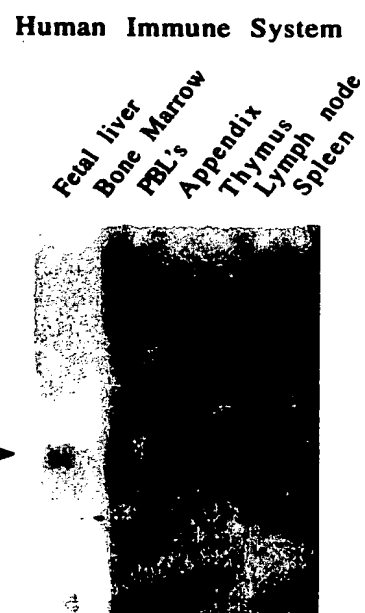
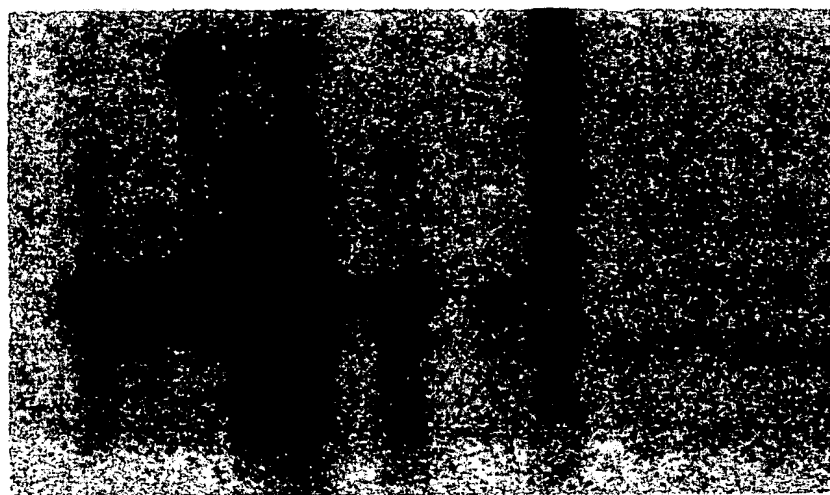


FIG.5



2 11 16 17 22 28 33 38 45 Kb 1 12 18 30

Transgenic Founders

Controls

FIG.6A

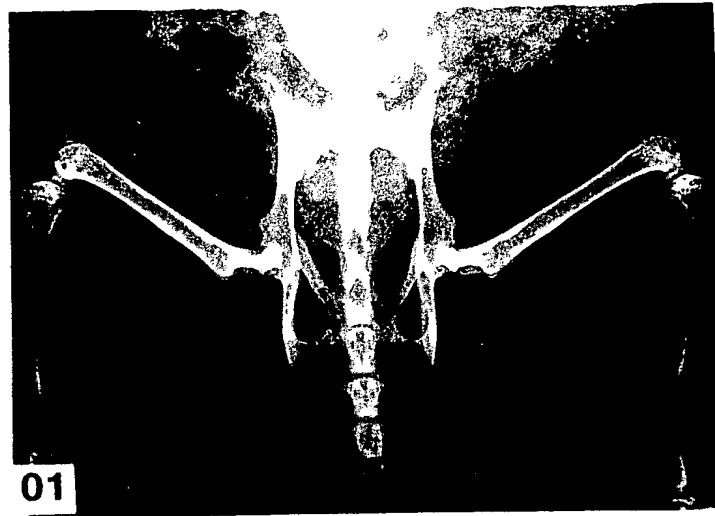


FIG.6B

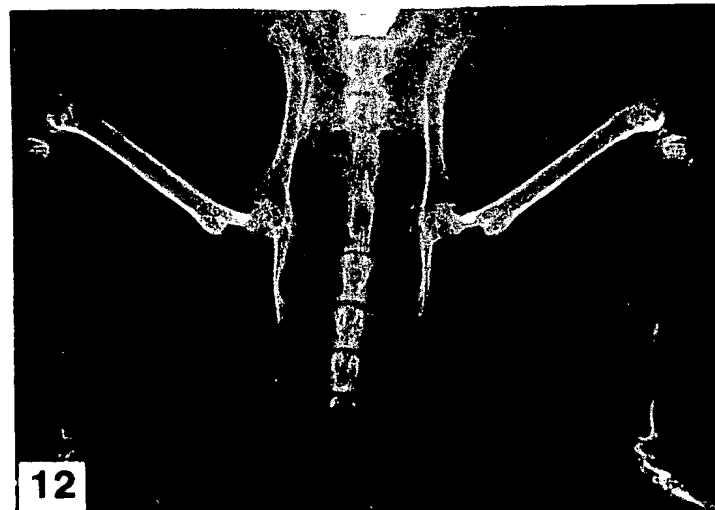


FIG.6C

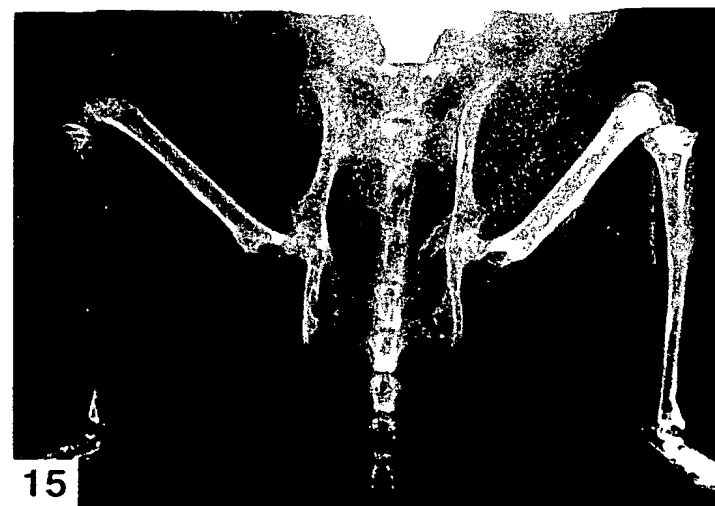


FIG.6D

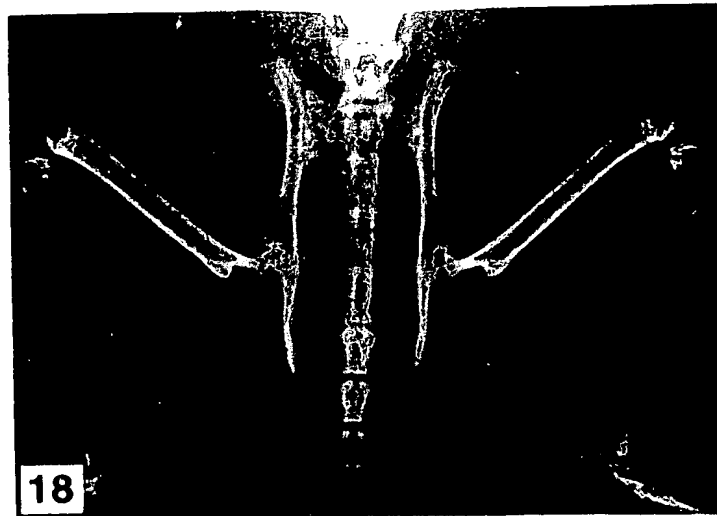


FIG.6E



FIG.6F

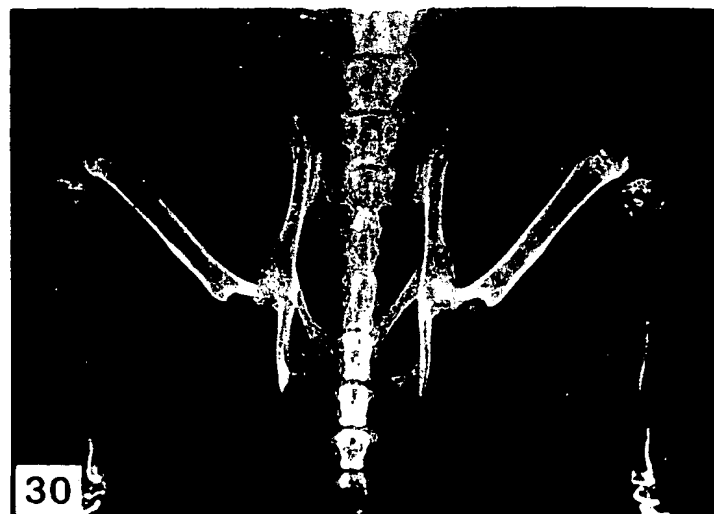


FIG. 6G

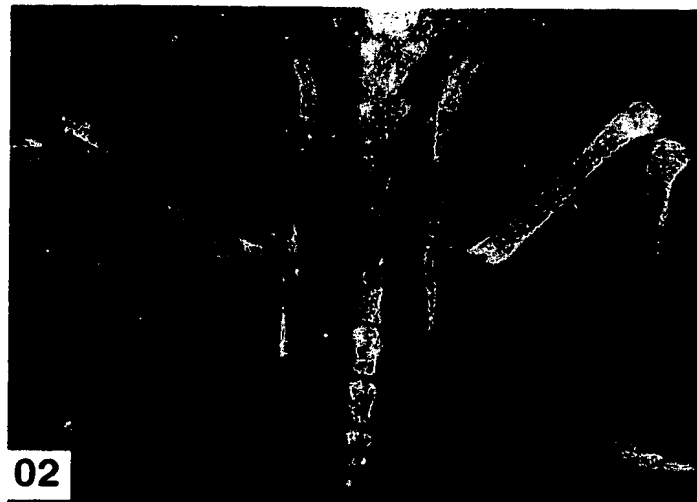


FIG. 6H

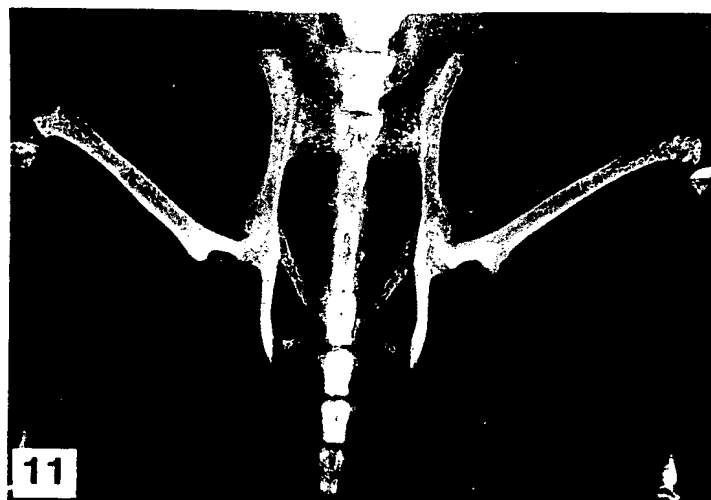


FIG.6I

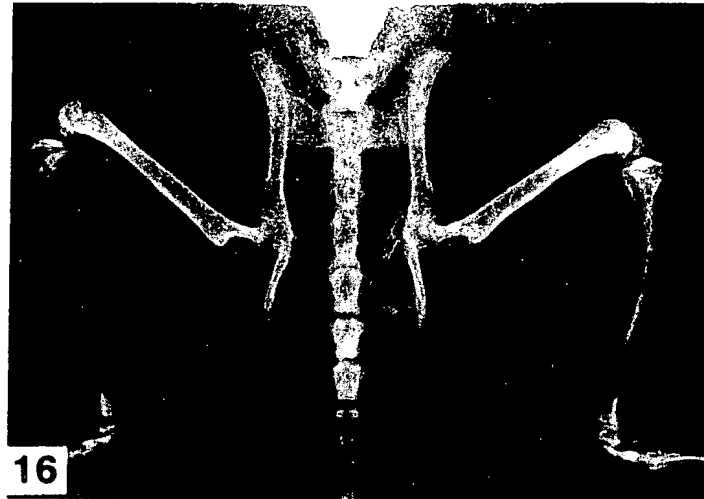


FIG.6J



FIG.7A



FIG.7B

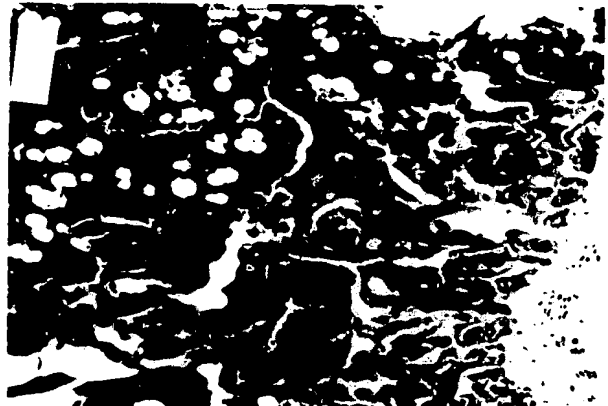


FIG.7C

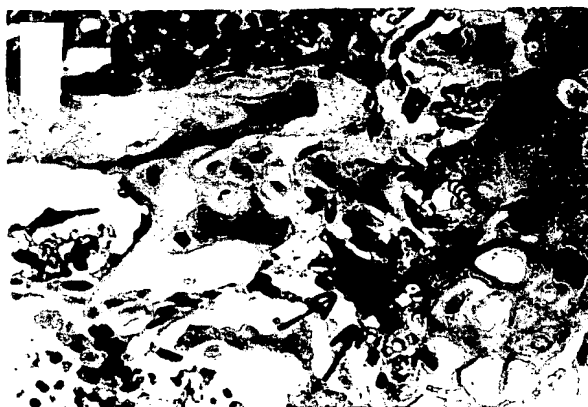


FIG.7D

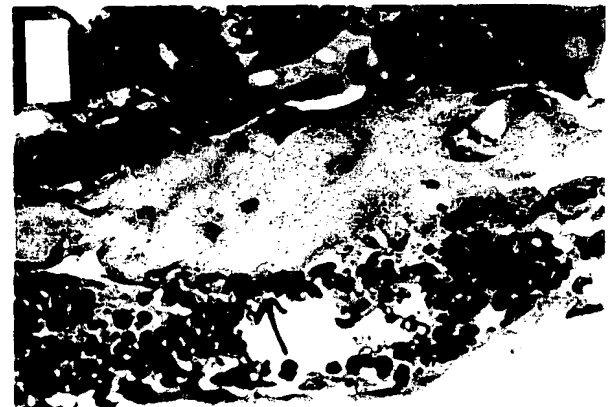


FIG. 7E



FIG. 7F

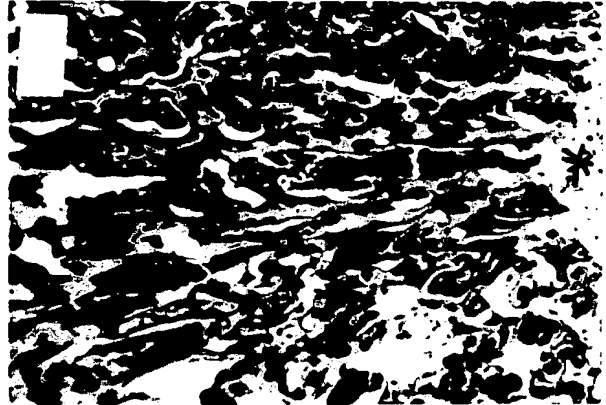


FIG. 7G

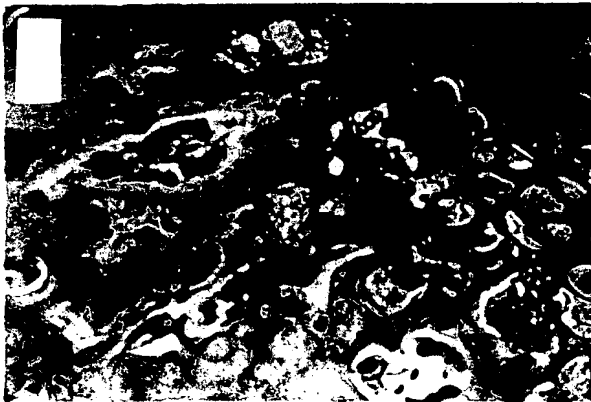


FIG. 7H



FIG.8A



FIG.8B



FIG.8C

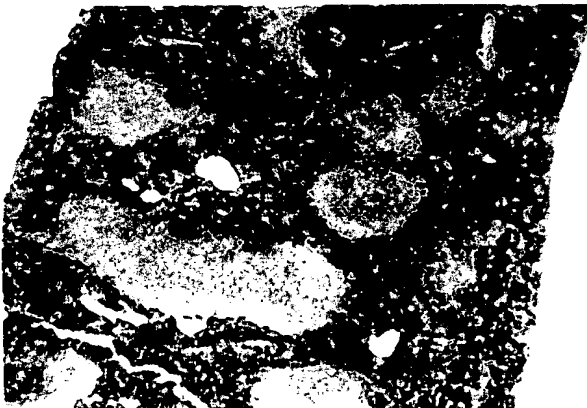


FIG.8D

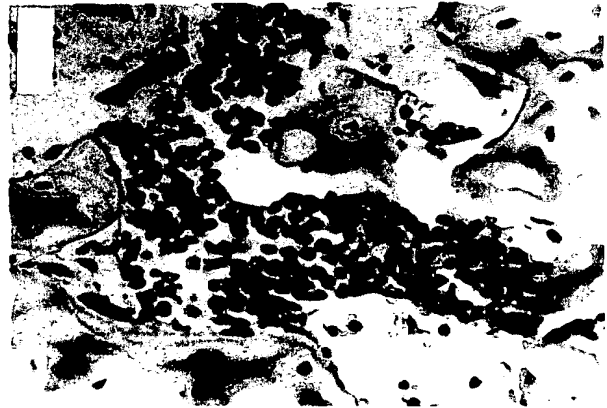


FIG.9A

```

      10              30              50
CCTTATATAARACGTCATGATTGCCTGGGCTGCAGAGACGCACCTAGCACTGACCCAGCG
      70              90              110
GCTGCCTCCTGAGGTTTCCCGAGGACCACAATGAACAAGTGGCTGTGCTGCGCACTCCTG
      130              150              170
      M N K W L C C A L L
GTGCTCCTGGACATCATTTGAATGGACAACCCAGGAAACCCCTTCCTCCAAAGTACTTGCAT
V L L D I I E W T T O E T L P P K Y L H
      190              210              230
TATGACCCAGAAACTGGTCATCAGCTCCGTGTGTGACAAATGTGCTCCTGGCACCTACCTA
Y D P E T G H Q L L C D K C A P G T Y L
      250              270              290
AAACAGCACTGCACAGTGAGGAGGAAGACATTGTGTGTGCCCTTGCCCTGACCACTCTTAT
K Q H C T V R R K T L C V P C P D H S Y
      310              330              350
ACGGACAGCTGGCACACCAGTGATGAGTGTGTGTATTGCAGCCCAGTGTGCAAGGAACTG
T D S W H T S D E C V Y C S P V C K E L
      370              390              410
CAGTCCGTGAAGCAGGAGTGCAACCGCACCCACAACCGAGTGTGTGAGTGTGAGGAAGGG
Q S V K Q E C N R T H N R V C E C E E G
      430              450              470
CGTTACCTGGAGATCGAATTCTGCTTGAAGCACCGGAGCTGTCCCCCGGGCTCCGGCGTG
R Y L E I E F C L K H R S C P P G S G V
      490              510              530
GTGCAAGCTGGAACCCCAGAGCGAAACACAGTTTGCAAAAAATGTCCAGATGGGTTCTTC
V Q A G T P E R N T V C K K C P D G F F
      550              570              590
TCAGGTGAGACTTCATCGAAAGCACCCCTGTATAAAACACACGAACTGCAGCACATTTGGC
S G E T S S K A P C I K H T N C S T F G
      610              630              650
CTCCTGCTAATTCAGAAAGGAAATGCAACACATGACAACGTGTGTTCCGGAAACAGAGAA
L L L I Q K G N A T H D N V C S G N R E
      670              690              710
GCCACGCAAAAAGTGTGGAATAGATGTCACCCTGTGTGAAGAGGCCTTCTTCAGGTTTGCT
A T Q K C G I D V T L C E E A F F R F A
      730              750              770
GTTCTACCAAGATTATACCAAATTGGCTGAGTGTTTTGGTGGACAGTTTGCCTGGGACC
V P T K I I P N W L S V L V D S L P G T

```

FIG.9B

790 810 830
AAAGTGAATGCCGAGAGTGTAGAGAGGATAAAACGGAGACACAGCTCACAAGAGCAAACC
K V N A E S V E R I K R R H S S Q E Q T
850 870 890
TTCCAGCTGCTGAAGCTGTGGAAACATCAAAACAGAGACCAGGAAATGGTGAAGAAGATC
F Q L L K L W K H Q N R D Q E M V K K I
910 930 950
ATCCAAGACATTGACCTCTGTGAAAGCAGCGTGCAGCGGCATCTCGGCCACTCGAACCTC
I Q D I D L C E S S V Q R H L G H S N L
970 990 1010
ACCACAGAGCAGCTTCTTGCCTTGATGGAGAGCCTGCCTGGGAAGAAGATCAGCCCAGAA
T T E Q L L A L M E S L P G K K I S P E
1030 1050 1070
GAGATTGAGAGAACGAGAAAGACCTGCAAATCGAGCGAGCAGCTCCTGAAGCTACTCAGT
E I E R T R K T C K S S E Q L L K L L S
1090 1110 1130
TTATGGAGGATCAAAAATGGTGACCAAGACACCTTGAAGGGCCTGATGTATGCCCTCAAG
L W R I K N G D Q D T L K G L M Y A L K
1150 1170 1190
CACTTGAAAACATCCCACCTTTCCTCAAAACTGTCAACCCACAGTCTGAGGAAGACCATGAGG
H L K T S H F P K T V T H S L R K T M R
1210 1230 1250
TTCCTGCACAGCTTCACAATGTACAGACTGTATCAGAAGCTCTTTTTAGAAATGATAGGG
F L H S F T M Y R L Y Q K L F L E M I G
1270 1290 1310
AATCAGGTTCAATCCGTGAAAATAAGCTGCTTATAACTAGGAATGGTCACTGGGCTGTTT
N Q V Q S V K I S C L
CTTCA

FIG.9C

10 30 50
GTATATATAACGTGATGAGCGTACGGGTGCGGAGACGCACCGGAGCGCTCGCCCAGCCGC
70 90 110
CGYCTCCAAGCCCCCTGAGGTTTCCGGGGACCACAATGAACAAGTTGCTGTGCTGCGCGCT
M N K L L C C A L
130 150 170
CGTGT'TTCTGGACA'TCTCCATTAAGTGGACCACCCAGGAAACGTT'TCCTCCAAAGTACCT
V F L D I S I K W T T O E T F P P K Y L
190 210 230
TCATTATGACGAAGAAACCTCTCATCAGCTGTTGTGTGACAAATGTCCTCCTGGTACCTA
H Y D E E T S H Q L L C D K C P P G T Y
250 270 290
CCTAAAACAACACTGTACAGCAAAGTGGAAGACCGTGTGCGCCCCCTTGCCCTGACCACTA
L K Q H C T A K W K T V C A P C P D H Y
310 330 350
CTACACAGACAGCTGGCACACCAGTGACGAGTGTCTATACTGCAGCCCCGTGTGCAAGGA
Y T D S W H T S D E C L Y C S P V C K E
370 390 410
GCTGCAGTACGTCAAGCAGGAGTGCAATCGCACCCACAACCGCGTGTGCGAATGCAAGGA
L Q Y V K Q E C N R T H N R V C E C K E
430 450 470
AGGGCGCTACCTTGAGATAGAGTTCTGCTTGAAACATAGGAGCTGCCCTCCTGGATTG
G R Y L E I E F C L K H R S C P P G F G
490 510 530
AGTGGTGCAAGCTGGAACCCAGAGCGAAATACAGTTTGCAAAAGATGTCCAGATGGGTT
V V Q A G T P E R N T V C K R C P D G F
550 570 590
CTTCTCAAATGAGACGTCATCTAAAGCACCCCTGTAGAAAACACACAAATTGCAGTGTCTT
F S N E T S S K A P C R K H T N C S V F
610 630 650
TGGTCTCCTGCTAACTCAGAAAGGAAATGCAACACACGACAACATATGTTCCGGAAACAG
G L L L T Q K G N A T H D N I C S G N S
670 690 710
TGAATCAACTCAAAAATGTGGAATAGATGTTACCCCTGTGTGAGGAGGCATTCTTCAGGTT
E S T Q K C G I D V T L C E E A F F R F
730 750 770
TGCTGTTCTACAAAGTTTACGCCTAACTGGCTTAGTGTCTTGGTAGACAATTTGCCTGG
A V P T K F T P N W L S V L V D N L P G

FIG.9D

790 810 830
CACCAAAGTAAACGCAGAGAGTGTAGAGAGGATAAAACGGCAACACAGCTCACAAGAACA
T K V N A E S V E R I K R Q H S S Q E Q
850 870 890
GACTTTCCAGCTGCTGAAGTTATGGAACATCAAAACAAAGACCAAGATATAGTCAAGAA
T F Q L L K L W K H Q N K D Q D I V K K
910 930 950
GATCATCCAAGATATTGACCTCTGTGAAAACAGCGTGCAGCGGCACATTGGACATGCTAA
I I Q D I D L C E N S V Q R H I G H A N
970 990 1010
CCTCACCTTCGAGCAGCTTCGTAGCTTGATGGAAAGCTTACCGGGAAAGAAAGTGGGAGC
L T F E Q L R S L M E S L P G K K V G A
1030 1050 1070
AGAAGACATTGAAAAACAATAAAGGCATGCAAACCCAGTGACCAGATCCTGAAGCTGCT
E D I E K T I K A C K P S D Q I L K L L
1090 1110 1130
CAGTTTGTGGCGAATAAAAAATGGCGACCAAGACACCTTGAAGGGCCTAATGCACGCACT
S L W R I K N G D Q D T L K G L M H A L
1150 1170 1190
AAAGCACTCAAAGACGTACCACTTTCCCAAAACTGTCACTCAGAGTCTAAAGAAGACCAT
K H S K T Y H F P K T V T Q S L K K T I
1210 1230 1250
CAGGTTCCCTTCACAGCTTCACAATGTACAAATTGTATCAGAAGTTATTTTGTAGAAATGAT
R F L H S F T M Y K L Y Q K L F L E M I
1270 1290 1310
AGGTAACCAGGTCCAATCAGTAAAAATAAGCTGCTTATAACTGGAAATGGCCATTGAGCT
G N Q V Q S V K I S C L
1330 1350
GTTTCCTCACAATTGGCGAGATCCCATGGATGATAA

FIG.9E

muosteo.frg	M N K W L C C A L L V L L D I I E W T T Q E T L P P K Y L H Y D P E T G H Q L L C D K C A P G T Y L	50
ratosteo.frg	M N K W L C C A L L V L L D I I E W T T Q E T F F P P K Y L H Y D P E T G R Q L L C D K C A P G T Y L	50
huosteo.frg	M N K L L C C A L V F L D I S I K W T T Q E T F F P P K Y L H Y D E E T S H Q L L C D K C P P G T Y L	50
muosteo.frg	K Q H C T V R R K T L C V P C P D H S Y T D S W H T S D E C V Y C S P V C K E L Q S V K Q E C N R T	100
ratosteo.frg	K Q H C T V R R K T L C V P C P D Y S Y T D S W H T S D E C V Y C S P V C K E L Q T V K Q E C N R T	100
huosteo.frg	K Q H C T A K W K T V C A P C P D H Y Y T D S W H T S D E C L Y C S P V C K E L Q Y V K Q E C N R T	100
muosteo.frg	H N R V C E C E E G R Y L E I E F C L K H R S C P P G L S G V V Q A G T P E R N T V C K K C P D G F F	150
ratosteo.frg	H N R V C E C E E G R Y L E L E F C L K H R S C P P G L G V L Q A G T P E R N T V C K R C P D G F F	150
huosteo.frg	H N R V C E C K E G R Y L E I E F C L K H R S C P P G F G V V Q A G T P E R N T V C K R C P D G F F	150
muosteo.frg	S G E T S S K A P C I K H T N C S T F G L L L I Q K G N A T H D N V C S G N R R E A T Q K C G I D V T	200
ratosteo.frg	S G E T S S K A P C R K H T N C S S L G L L L I Q K G N A T H D N V C S G N R R E A T Q N C G I D V T	200
huosteo.frg	S N E T S S K A P C R K H T N C S V F G L L L T Q K G N A T H D N I C S G N S E S T Q K C G I D V T	200

FIG.9F

muosteo.frg	L C E E A F F R F A V P T K I I P N W L S V L V D S L P G T K V N A E S V E R I K R R H S S Q E Q T	250
ratosteo.frg	L C E E A F F R F A V P T K I I P N W L S V L V D S L P G T K V N A E S V E R I K R R H S S Q E Q T	250
huosteo.frg	L C E E A F F R F A V P T K F T P N W L S V L V D N L P G T K V N A E S V E R I K R Q H S S Q E Q T	250
muosteo.frg	F Q L L K L W K H Q N R D Q E M V K K I I Q D I D L C E S S V Q R H L G H S N L T T E Q L L A L M E	300
ratosteo.frg	F Q L L K L W K H Q N R D Q E M V K K I I Q D I D L C E S S V Q R H I G H A N L T T E Q L R I L M E	300
huosteo.frg	F Q L L K L W K H Q N R D Q D T I V K K I I Q D I D L C E N S V Q R H I G H A N L T F E Q L R S L M E	300
muosteo.frg	S L P G K K I S P E E I E R T R K T C K S S E Q L L K L L S L W R I K N G D Q D T L K G L M Y A L K	350
ratosteo.frg	S L P G K K I S P D E I E R T R K T C K P S E Q L L K L L S L W R I K N G D Q D T L K G L M Y A L K	350
huosteo.frg	S L P G K K V G A E D I E K T I K A C K P S D Q I L L K L L S L W R I K N G D Q D T L K G L M H A L K	350
muosteo.frg	H L K T S H F P K T V T H S L R K T M R F F L H S F T M Y R L Y Q K L F L E M I G N Q V Q S V K I S C	400
ratosteo.frg	H L K A Y H F P K T V T H S L R K T I R F F L H S F T M Y R L Y Q K L F L E M I G N Q V Q S V K I S C	400
huosteo.frg	H S K T Y H F P K T V T Q S L K K T I R F F L H S F T M Y K L Y Q K L F L E M I G N Q V Q S V K I S C	400
muosteo.frg	L	401
ratosteo.frg	L	401
huosteo.frg	L	401

FIG.10

1tnrr	C	P	Q	-	G	K	Y	I	H	P	Q	N	N	S	I	C	C	T	K	C	H	K	G	T	Y	L	Y	N	D	C	P	G	P	G	Q	D	T	D	C	R	E	C	E	S	G	S	F	T	A	S	49
humoste	P	P	K	Y	L	H	Y	D	E	E	T	S	H	Q	L	L	C	D	K	C	P	P	G	T	Y	L	K	Q	H	C	T	A	K	-	W	K	T	V	C	A	P	C	P	D	H	Y	T	D	S	49	
1tnrr	E	N	H	L	R	H	C	L	S	C	S	-	K	C	R	K	E	M	G	Q	V	E	I	S	S	C	T	V	D	R	D	T	V	C	G	C	R	K	N	Q	Y	R	H	Y	W	S	E	N	L	F	98
humoste	W	H	T	S	D	E	C	L	Y	C	S	P	V	C	-	K	E	L	Q	Y	V	K	-	Q	E	C	N	R	T	H	N	R	V	C	E	C	K	E	G	R	Y	L	E	I	-	-	E	-	F	93	
1tnrr	Q	C	F	N	C	S	L	C	L	N	G	-	T	V	H	L	S	C	Q	E	K	Q	N	T	V	C	T	-	C	H	A	G	F	F	L	R	E	-	-	-	N	E	C	V	S	C	139				
humoste	-	C	L	K	H	R	S	C	P	P	G	F	G	V	V	Q	A	G	T	P	E	R	N	T	V	C	K	R	C	P	D	G	F	F	S	N	E	T	S	S	K	A	P	C	R	K	H	139			

FIG. II

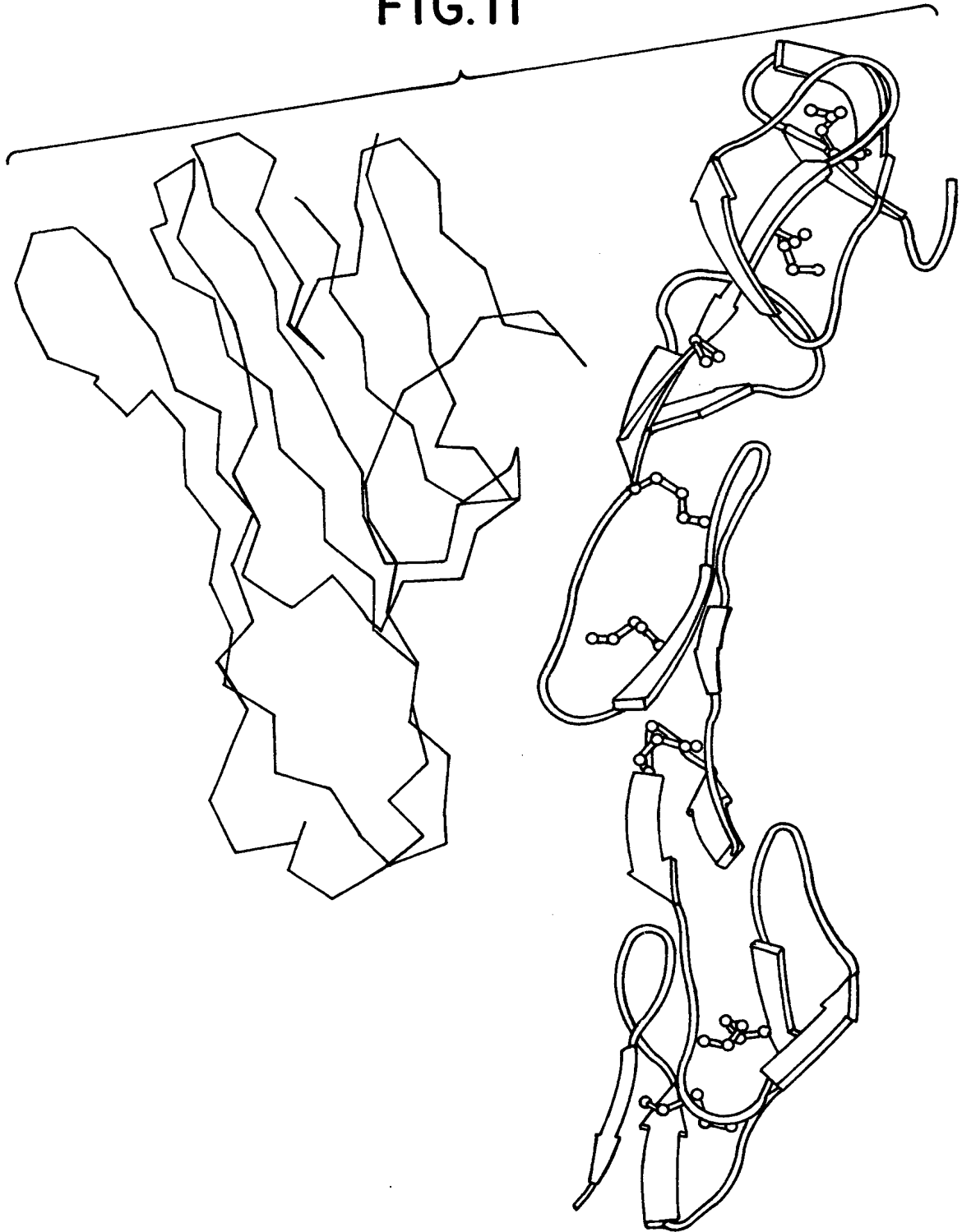


FIG.12A

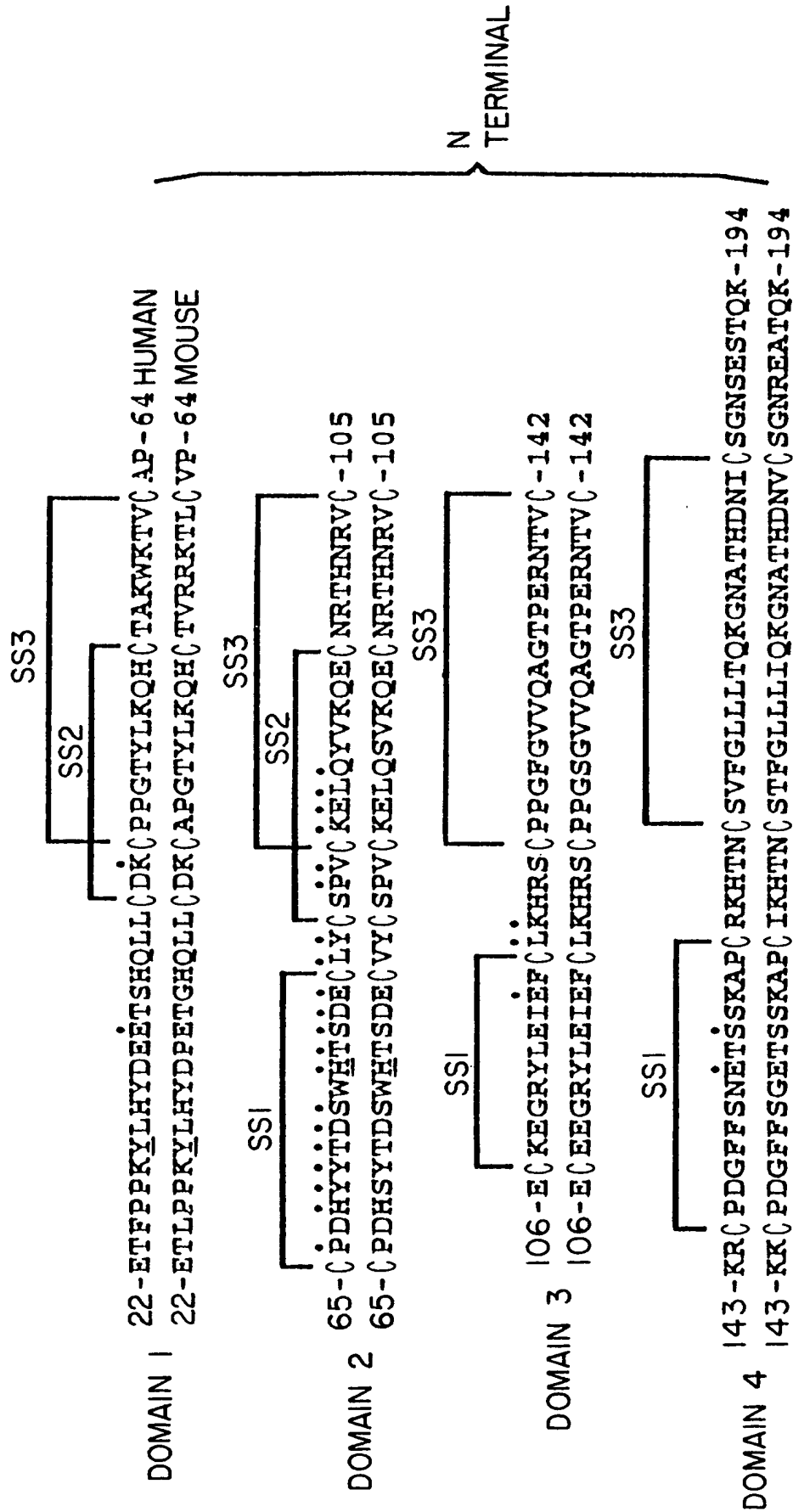


FIG.12B

195 -CGIDVTICEEAFFFFAVPTTKFTPNWLSVLVDNLPGTKVNAESVERIKRQHSS-246
 195 -CGIDVTICEEAFFFFAVPTTKIIPNWLSVLVDSLPGTKVNAESVERIKRRHSS-246
 247 -QEQTFOQLLKLWKHQNKDQDI VKKIIQDIDLCENSVQRHIGHANLTFEQLRSL-298
 247 -QEQTFOQLLKLWKHQNRDQEMVKKIIQDIDLCESVQRHLGHSNLTTEQLLAL-298
 299 -MESLPGKKVGAEDIEKTIKCKPSPDQILKLLSLWRIKNGDQDTLKGLMHALK-350
 299 -MESLPGKKISP EIERTRKTKCSSEQLLKLLSLWRIKNGDQDTLKGLMYALK-350
 351 -HSKTYHFPKTVTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCL-401
 351 -HLKTSHPKTVTHSLRKTMRF LHSFTMYRLYQKLFLEMIGNQVQSVKISCL-401

C } TERMINAL

FIG.13A

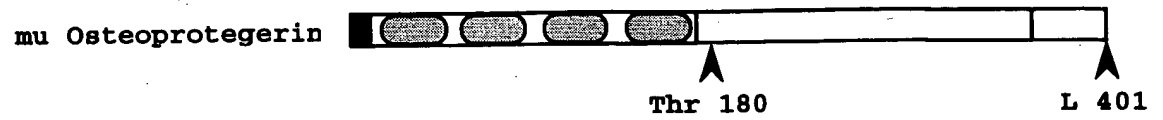


FIG.13B

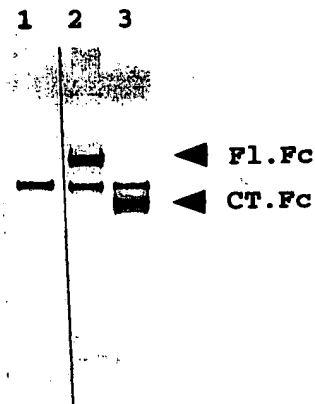


FIG.13C

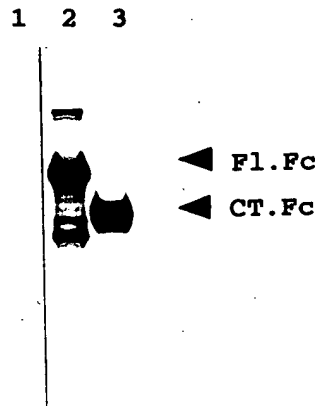


FIG.14A

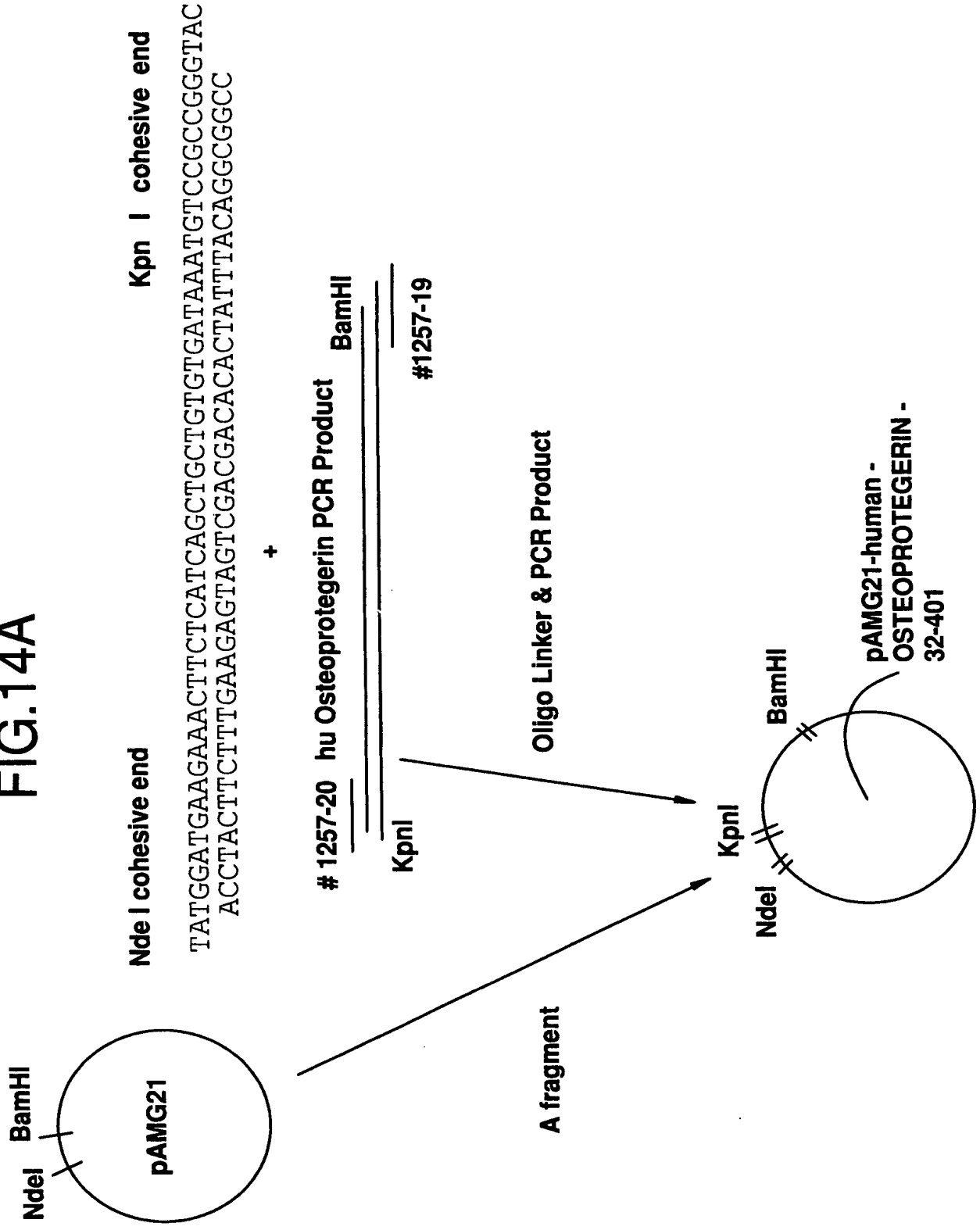


FIG. 14B

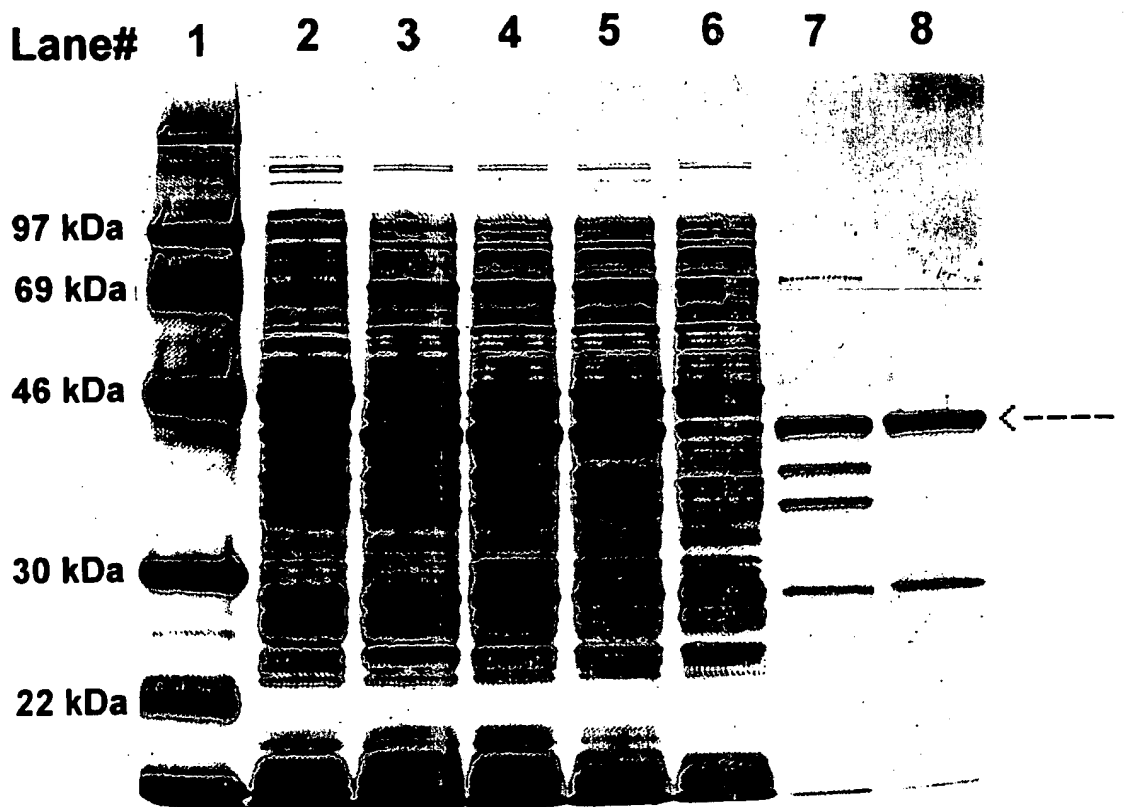


FIG. 15

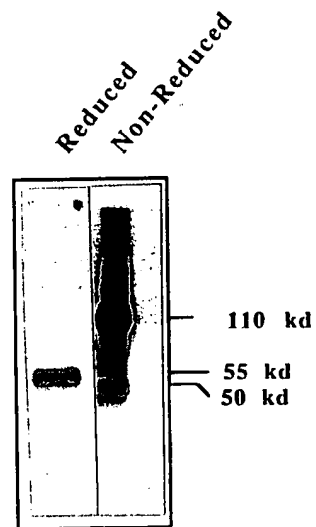


FIG. 16A

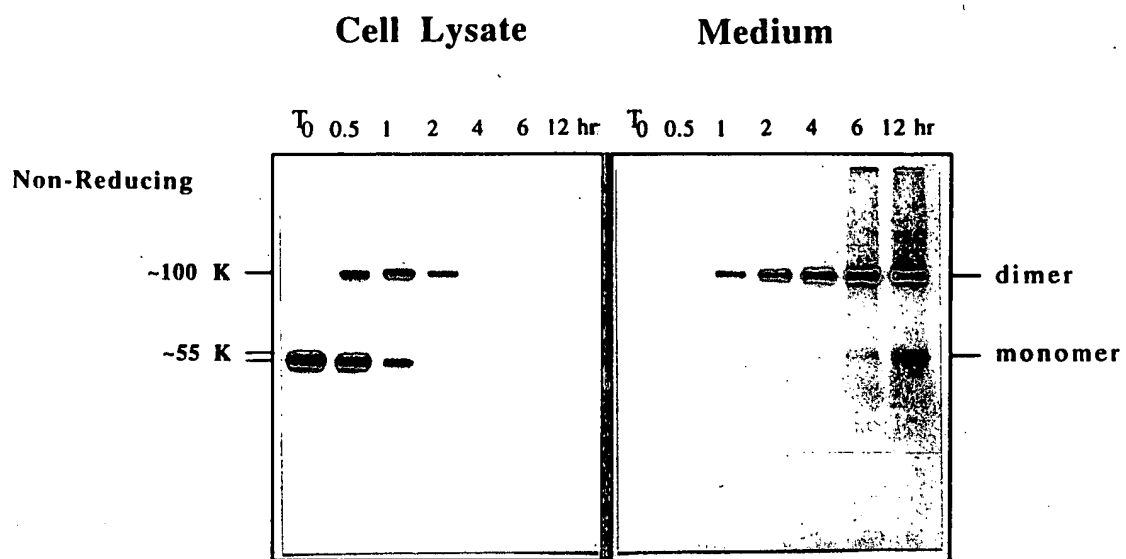


FIG. 16B

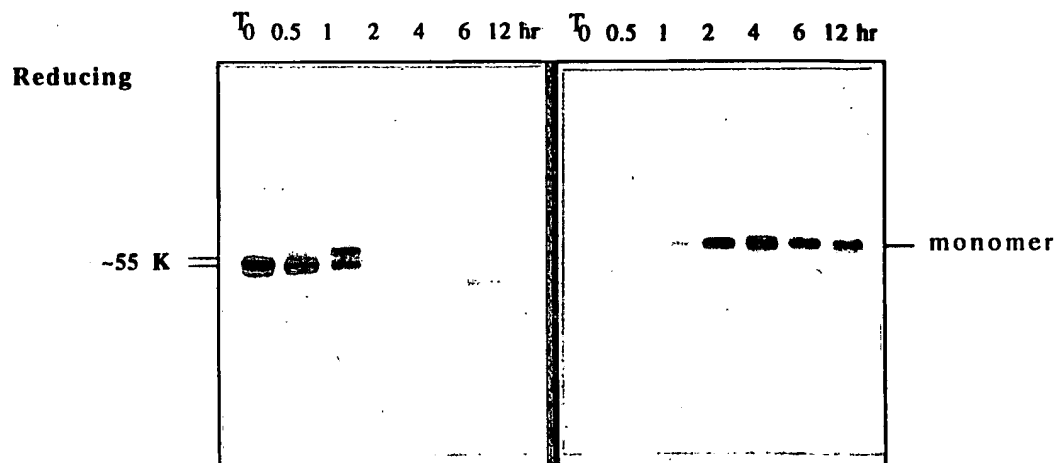


FIG. 17

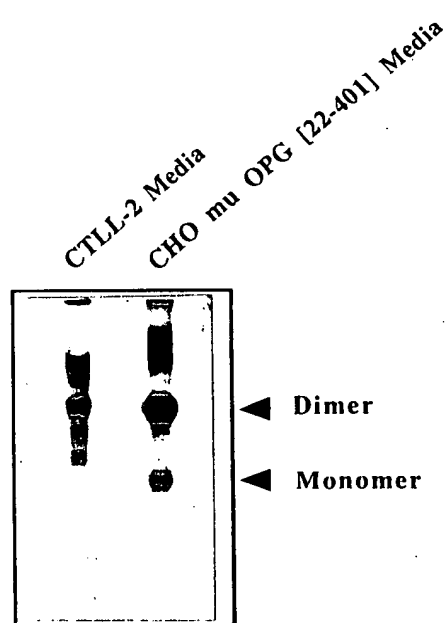


FIG. 18

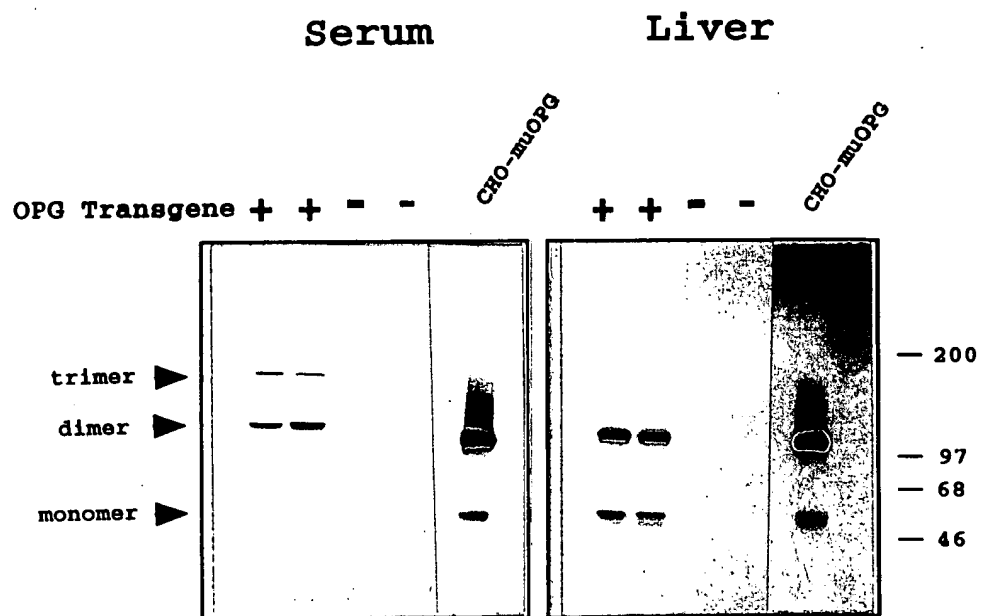


FIG. 19A

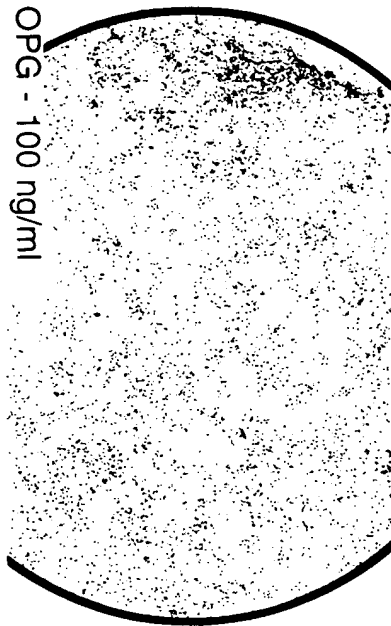


FIG. 19B

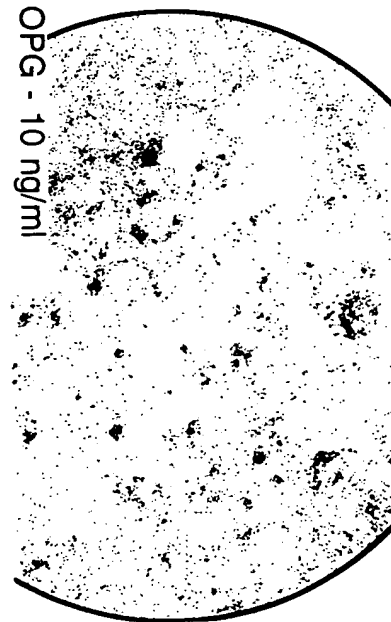


FIG. 19C

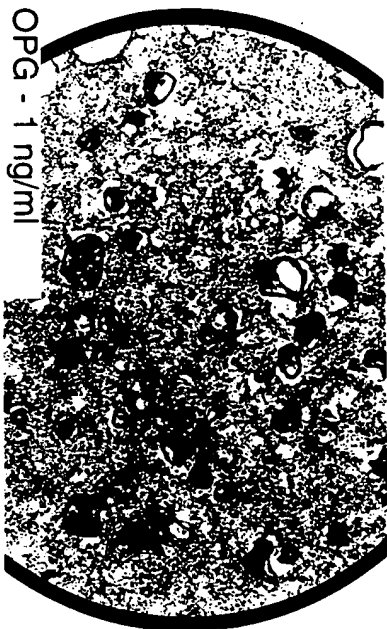


FIG. 19D

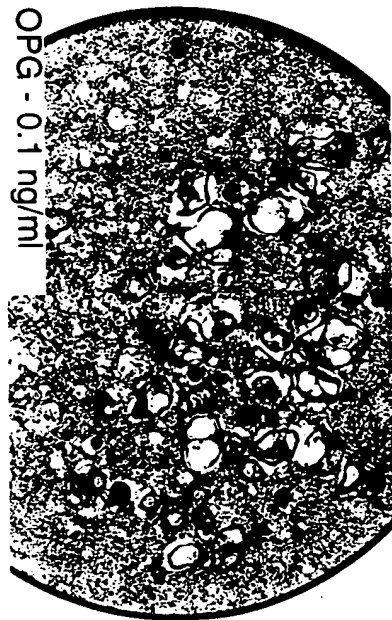


FIG.19E

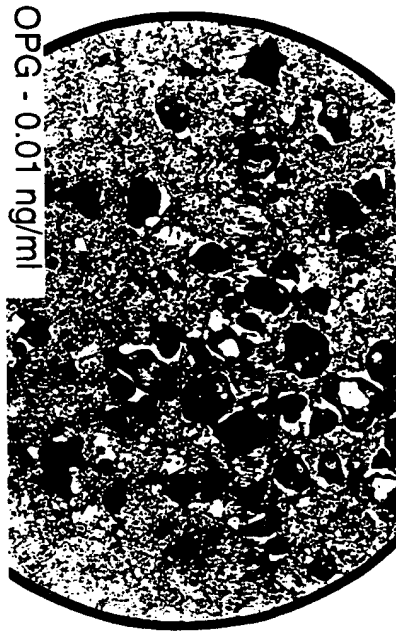


FIG.19F

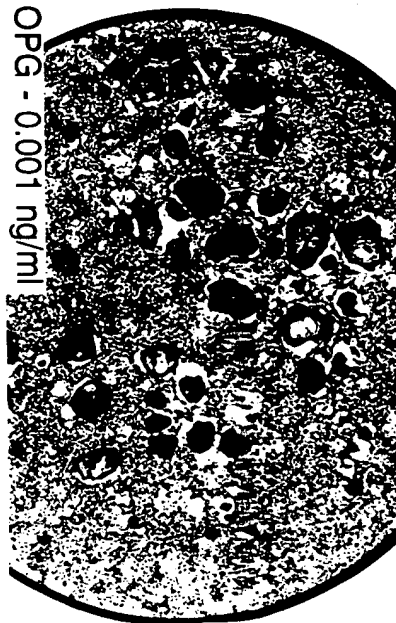


FIG.19G

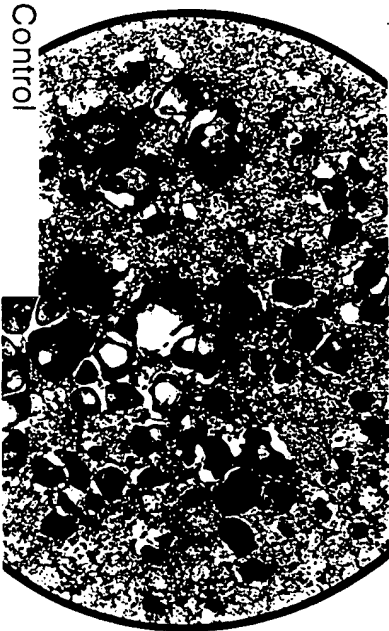


FIG.20

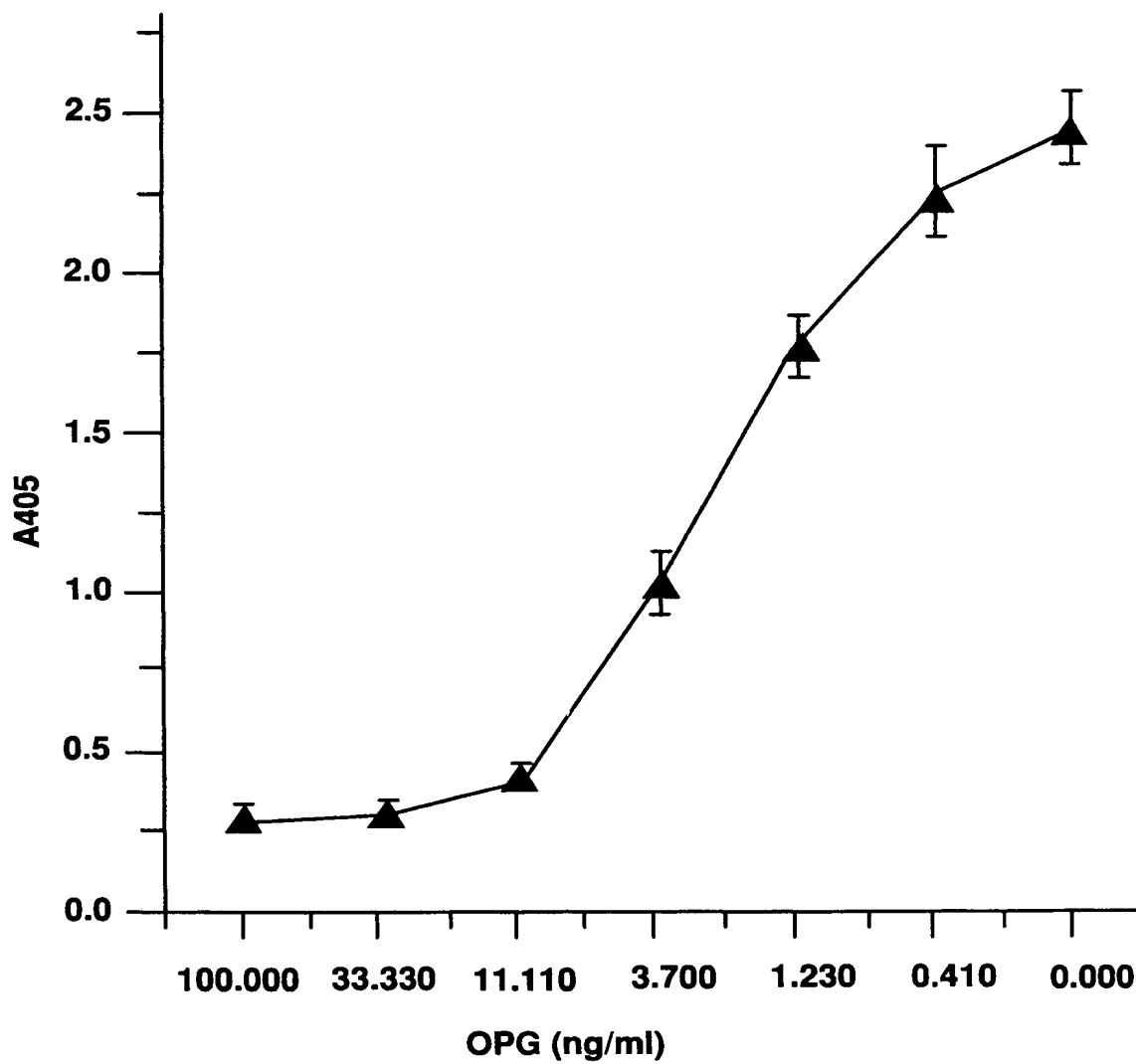
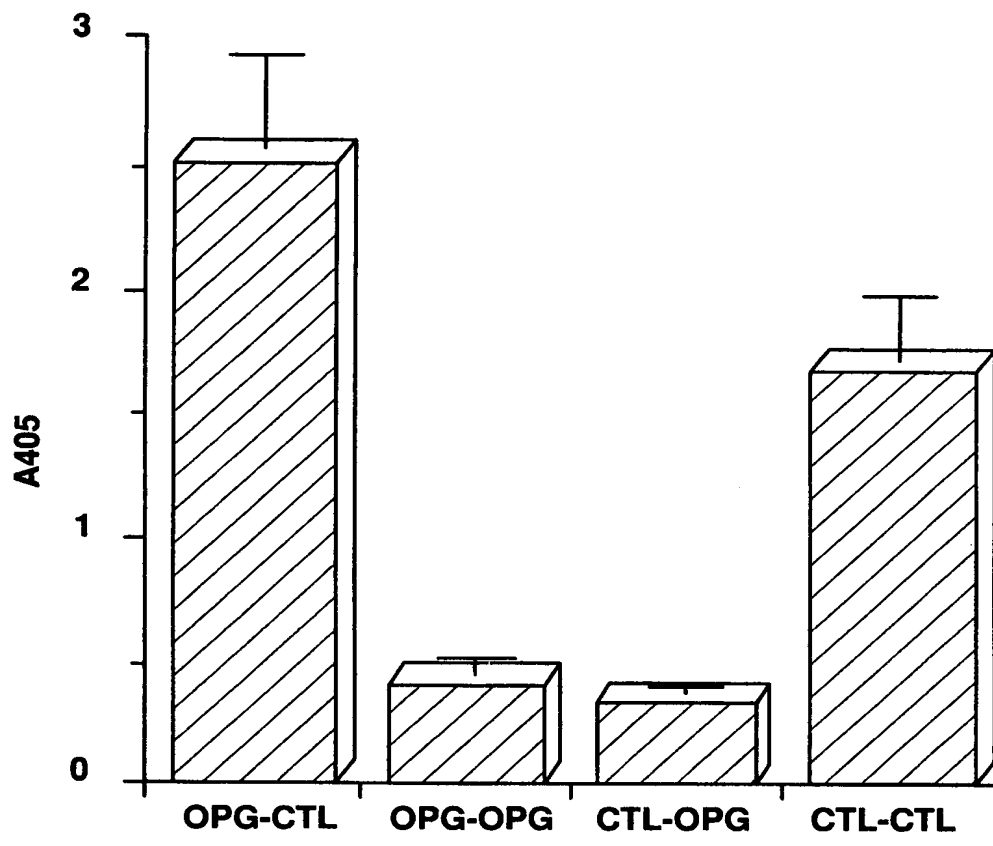


FIG.21



Legend

Growth
Bone marrow
cells
CSF -1

Intermediate
PGE2 + CSF-1

Terminal
ST2 cells
1,25 (OH)2 D3
Dexamethasone

4 days

2 days

8 - 10 days

Groups

CTL - CTL
OPG - CTL
OPG - OPG
OPG - OPG

OPG

100 ng/ml

100 ng/ml

OPG

100 ng/ml
100 ng/ml

FIG.22A

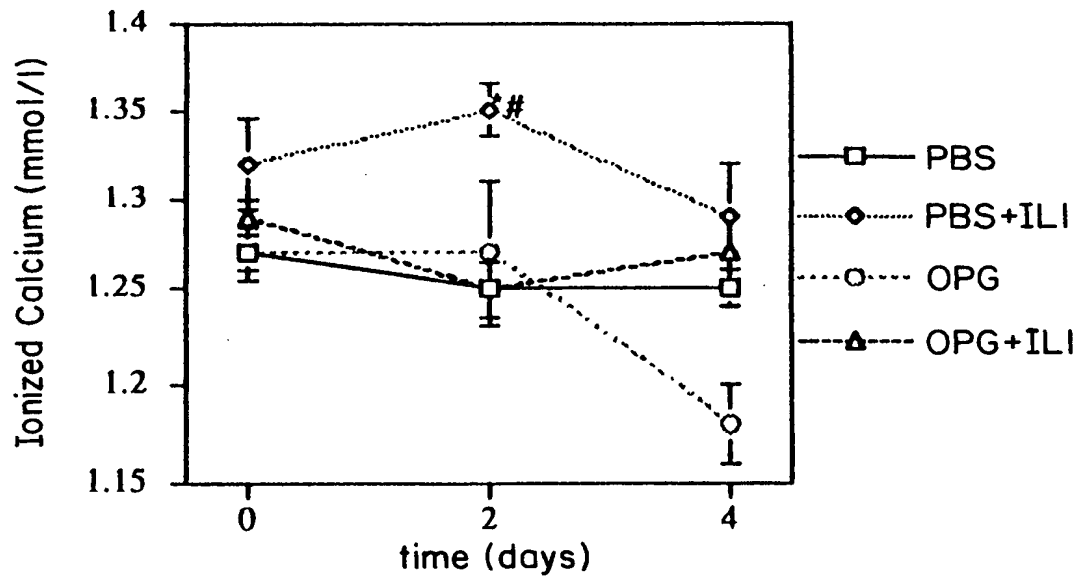
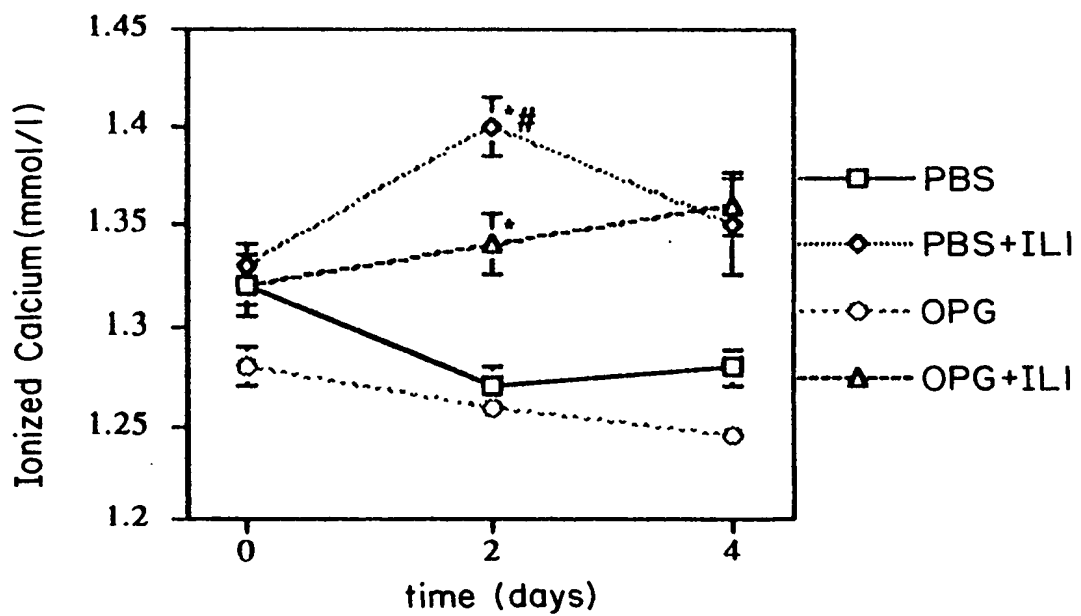


FIG.22B



* Different to PBS, $p < 0.05$

Different to OPG + IL1, $p < 0.05$

FIG.23A

PBS/PBS

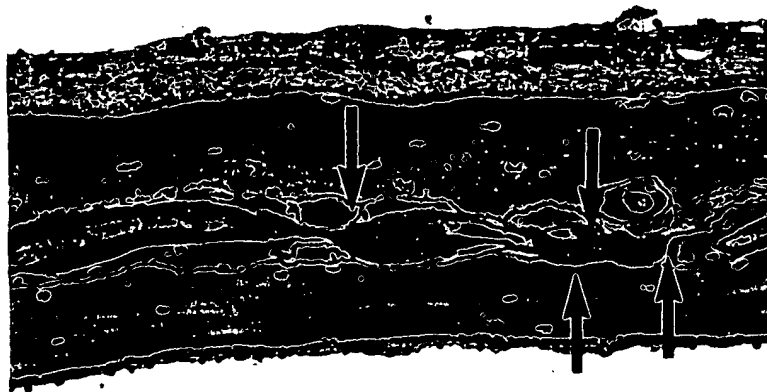


FIG.23B

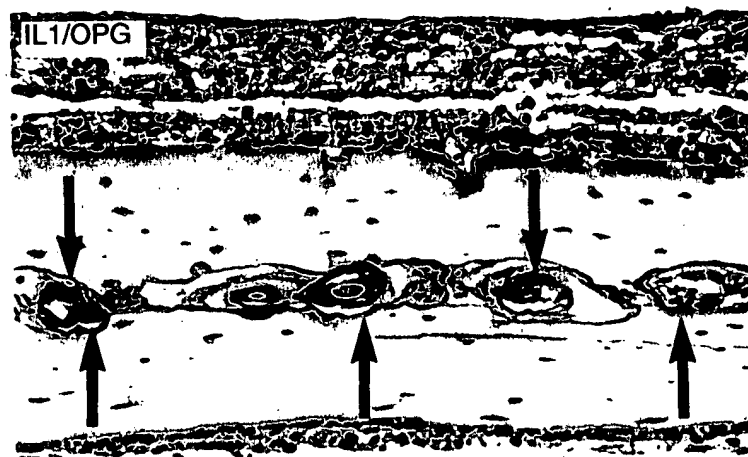


FIG.23C

PBS/OPG



FIG.23D



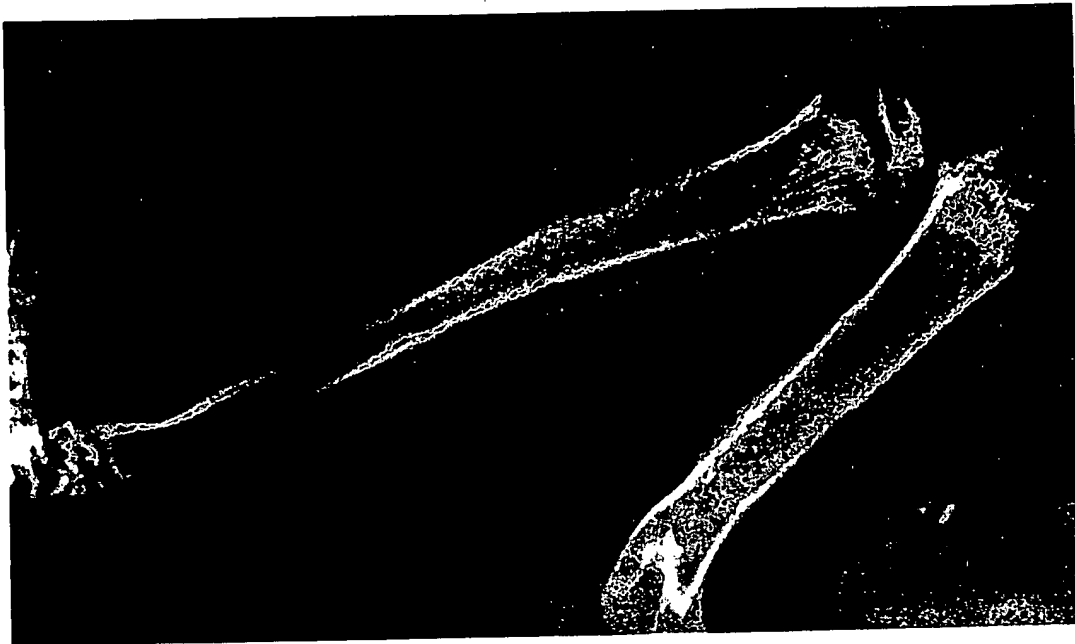


FIG. 24A

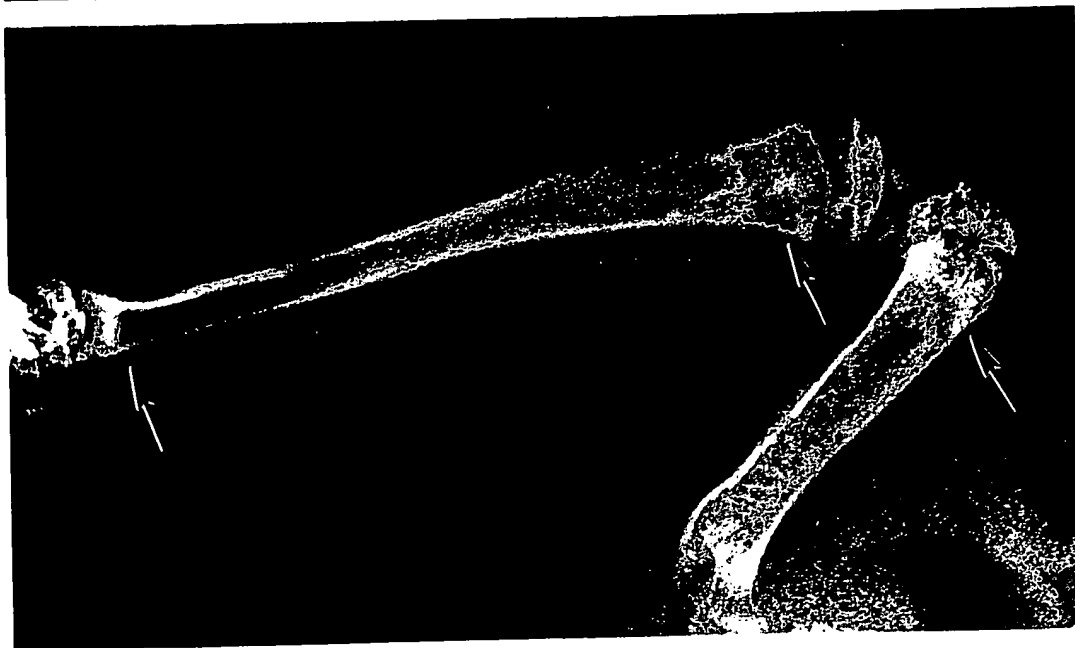
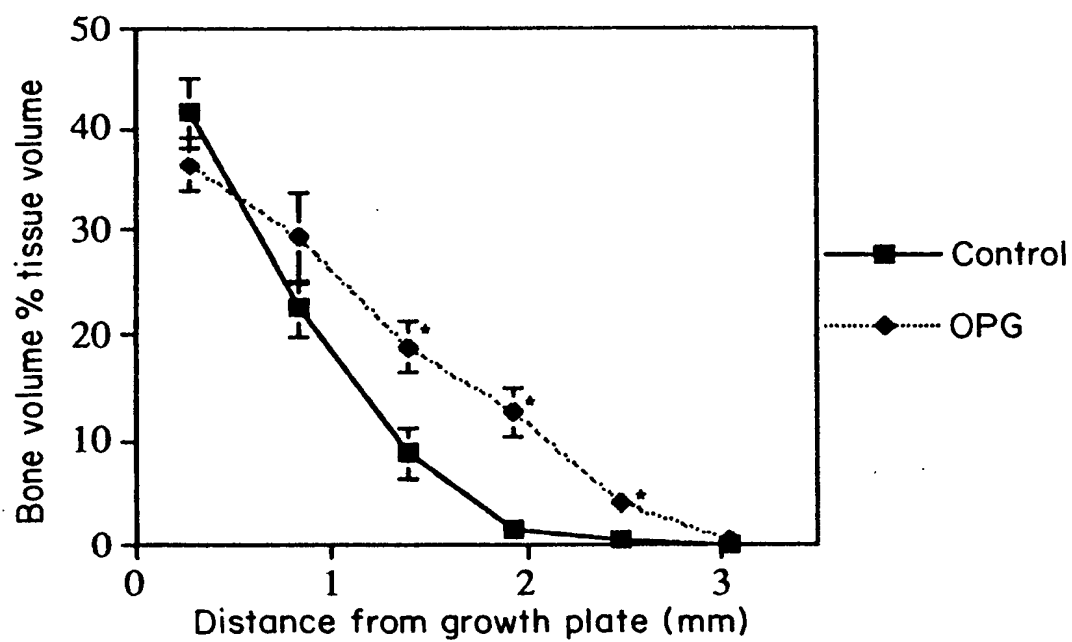


FIG. 24B

FIG.25



* Different to control $p < 0.01$

FIG.26A



FIG.26.B



FIG.27

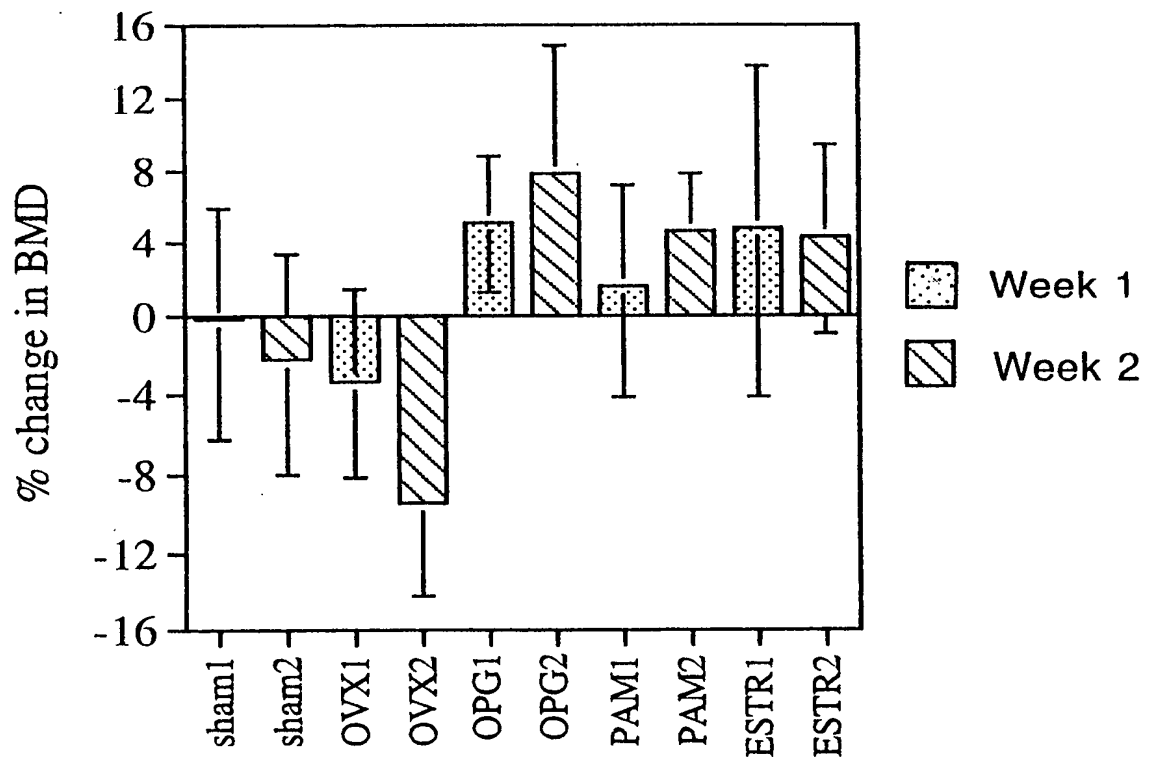
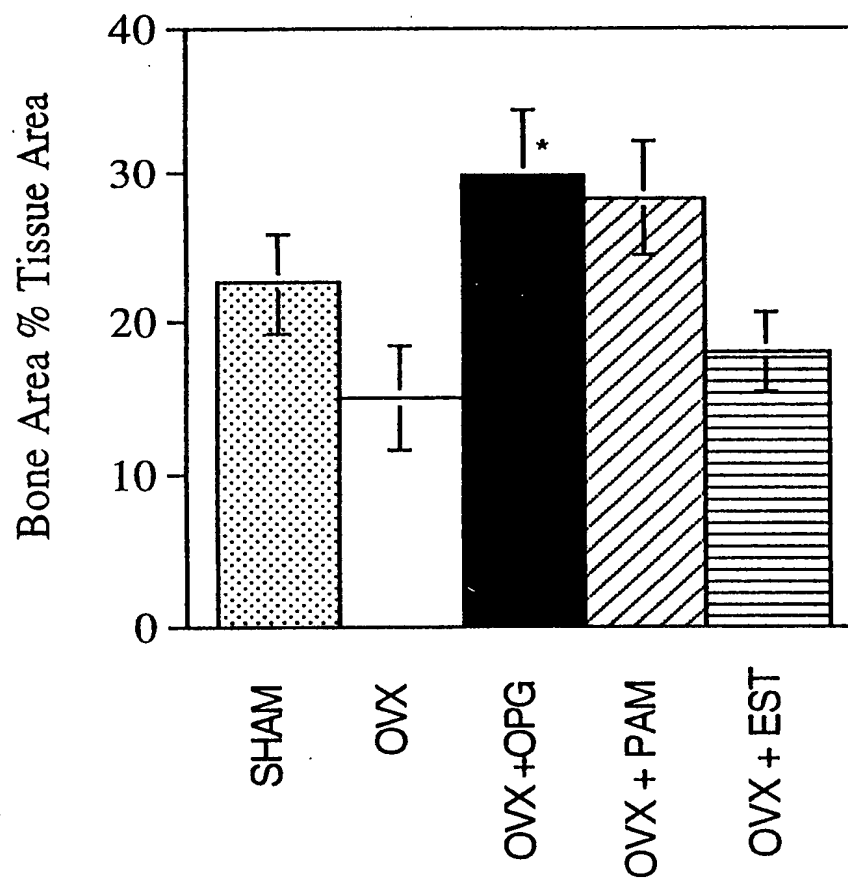


FIG.28



* Different to OVX $p < 0.05$